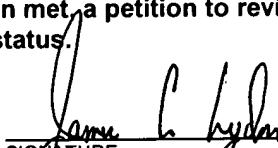


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| FORM PTO-1390<br>(REV. 12-2004)<br><b>TRANSMITTAL LETTER TO THE UNITED STATES<br/>DESIGNATED/ELECTED OFFICE (DO/EO/US)<br/>CONCERNING A FILING UNDER 35 U.S.C. 371</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |  | U.S. DEPARTMENT OF COMMERCE PATENT AND TRADEMARK OFFICE | ATTORNEY'S DOCKET NUMBER<br><b>TUR-173</b>                                           |
| INTERNATIONAL APPLICATION NO.<br><b>PCT/FI2004/000308</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |  | INTERNATIONAL FILING DATE<br><b>May 21, 2004</b>        | U.S. APPLICATION NO. (If known, see 37 CFR 1.5)<br><b>Not yet assigned 164557822</b> |
| TITLE OF INVENTION<br><b>A MATRIX BAND</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |  |                                                         |                                                                                      |
| APPLICANT(S) FOR DO/EO/US<br><b>Pekka VALLITTU, Lippo LASSILA, Antti YLI-URPO and Arzu TEZVERGIL</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |  |                                                         |                                                                                      |
| <p>Applicant herewith submits to the United States Designated/Elected Office (DO/EO/US) the following items and other information:</p> <ol style="list-style-type: none"> <li>1. <input checked="" type="checkbox"/> This is a <b>FIRST</b> submission of items concerning a filing under 35 U.S.C. 371.</li> <li>2. <input type="checkbox"/> This is a <b>SECOND</b> or <b>SUBSEQUENT</b> submission of items concerning a filing under 35 U.S.C. 371.</li> <li>3. <input checked="" type="checkbox"/> This is an express request to begin national examination procedures (35 U.S.C. 371(f)). The submission must include items (5), (6), (9) and (21) indicated below.</li> <li>4. <input checked="" type="checkbox"/> The US has been elected (Article 31).</li> <li>5. <input checked="" type="checkbox"/> A copy of the International Application as filed (35 U.S.C. 371(c)(2)) <ul style="list-style-type: none"> <li>a. <input type="checkbox"/> is attached hereto (required only if not communicated by the International Bureau).</li> <li>b. <input checked="" type="checkbox"/> has been communicated by the International Bureau.</li> <li>c. <input type="checkbox"/> is not required, as the application was filed in the United States Receiving Office (RO/US).</li> </ul> </li> <li>6. <input type="checkbox"/> An English language translation of the International Application as filed (35 U.S.C. 371(c)(2)) <ul style="list-style-type: none"> <li>a. <input type="checkbox"/> is attached hereto.</li> <li>b. <input type="checkbox"/> has been previously submitted under (35 U.S.C. 154(d)(4)).</li> </ul> </li> <li>7. <input checked="" type="checkbox"/> Amendments to the claims of the International Application under PCT Article 19 (35 U.S.C. 371(c)(3)) <ul style="list-style-type: none"> <li>a. <input type="checkbox"/> are attached hereto (required only if not communicated by the International Bureau).</li> <li>b. <input type="checkbox"/> have been communicated by the International Bureau.</li> <li>c. <input type="checkbox"/> have not been made; however, the time limit for making such amendments has NOT expired.</li> <li>d. <input checked="" type="checkbox"/> have not been made and will not be made.</li> </ul> </li> <li>8. <input type="checkbox"/> An English language translation of the amendments to the claims under PCT Article 19 (35 U.S.C. 371(c)(3)).</li> <li>9. <input checked="" type="checkbox"/> An oath or declaration of the inventor(s) (35 U.S.C. 371(c)(4)).</li> <li>10. <input type="checkbox"/> An English language translation of the annexes of the International Preliminary Examination Report under PCT Article 36 (35 U.S.C. 371(c)(5)).</li> </ol> <p><b>Items 11 to 20 below concern document(s) or information included:</b></p> <ol style="list-style-type: none"> <li>11. <input checked="" type="checkbox"/> An Information Disclosure Statement under 37 CFR 1.97 and 1.98.</li> <li>12. <input checked="" type="checkbox"/> An assignment document for recording. A separate cover sheet in compliance with 37 CFR 3.28 and 3.31 is included.</li> <li>13. <input checked="" type="checkbox"/> A preliminary amendment.</li> <li>14. <input type="checkbox"/> An Application Data Sheet under 37 CFR 1.76.</li> <li>15. <input type="checkbox"/> A substitute specification.</li> <li>16. <input type="checkbox"/> A power of attorney and/or change of address letter.</li> <li>17. <input type="checkbox"/> A computer-readable form of the sequence listing in accordance with PCT Rule 13ter.2 and 37 CFR 1.821 - 1.825.</li> <li>18. <input type="checkbox"/> A second copy of the published international application under 35 U.S.C. 154(d)(4).</li> <li>19. <input type="checkbox"/> A second copy of the English language translation of the international application under 35 U.S.C. 154(d)(4).</li> <li>20. <input type="checkbox"/> Other items or information:</li> </ol> |  |                                                         |                                                                                      |

|                                                                                                                                                                                                                                                                             |              |                                                                               |                                     |    |
|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------|-------------------------------------------------------------------------------|-------------------------------------|----|
| U.S. APPLICATION NO. UNKNOWN<br>Not yet assigned                                                                                                                                                                                                                            |              | INTERNATIONAL APPLICATION NO.<br>PCT/FI2004/000308                            | ATTORNEY'S DOCKET NUMBER<br>TUR-173 |    |
| The following fees are submitted:                                                                                                                                                                                                                                           |              |                                                                               |                                     |    |
| 21. <input checked="" type="checkbox"/> Basic National Stage fee .....                                                                                                                                                                                                      |              | \$ 300.00                                                                     | \$ 300.00                           |    |
| 22. <input checked="" type="checkbox"/> National Stage Search fee<br>Search fee (37 CFR 1.445(a)(2)) has been paid on the international application to the USPTO as an International Searching Authority .....                                                              |              | \$ 100.00                                                                     | \$ 400.00                           |    |
| International Search Report prepared and provided to the Office .....                                                                                                                                                                                                       |              | \$ 400.00                                                                     |                                     |    |
| All other situations .....                                                                                                                                                                                                                                                  |              | \$ 500.00                                                                     |                                     |    |
| 23. <input checked="" type="checkbox"/> National Stage Examination fee<br>If International preliminary examination report prepared by USPTO and all claims satisfy provisions of PCT Article 33(1)-(4) .....                                                                |              | \$ 100.00                                                                     | \$ 200.00                           |    |
| All other situations .....                                                                                                                                                                                                                                                  |              | \$ 200.00                                                                     |                                     |    |
| <b>TOTAL OF ABOVE CALCULATIONS =</b>                                                                                                                                                                                                                                        |              | <b>\$ 900.00</b>                                                              |                                     |    |
| <input type="checkbox"/> Additional fee for specification and drawings filed in paper over 100 sheets (excluding sequence listing or computer program listing filed in an electronic medium). Thee fee is \$250 for each additional 50 sheets of paper or fraction thereof. |              |                                                                               |                                     |    |
| Total Sheets                                                                                                                                                                                                                                                                | Extra Sheets | Number of each additional 50 or fraction thereof (round up to a whole number) | RATE                                |    |
| 24 - 100 =                                                                                                                                                                                                                                                                  | / 50 =       |                                                                               | x \$250.00                          | \$ |
| Surcharge of \$130.00 for furnishing the oath or declaration later than 30 months from the earliest claimed priority date (37 CFR 1.492(e)).                                                                                                                                |              |                                                                               | \$                                  |    |
| CLAIMS                                                                                                                                                                                                                                                                      | NUMBER       | NUMBER EXTRA                                                                  | RATE                                | \$ |
| Total Claims                                                                                                                                                                                                                                                                | 15 - 20 =    |                                                                               | x \$ 50.00                          | \$ |
| Independent claims                                                                                                                                                                                                                                                          | 2 - 3 =      |                                                                               | x \$200.00                          | \$ |
| MULTIPLE DEPENDENT CLAIM(S) (if applicable)                                                                                                                                                                                                                                 |              | + \$360.00                                                                    | \$                                  |    |
| <b>TOTAL OF ABOVE CALCULATIONS =</b>                                                                                                                                                                                                                                        |              | <b>\$ 900.00</b>                                                              |                                     |    |
| <input checked="" type="checkbox"/> Applicant claims small entity status. See 37 CFR 1.27. The fees indicated above are reduced by ½.                                                                                                                                       |              | \$ 450.00                                                                     |                                     |    |
| <b>SUBTOTAL =</b>                                                                                                                                                                                                                                                           |              | <b>\$ 450.00</b>                                                              |                                     |    |
| Processing fee of \$130.00 for furnishing the English translation later than 30 months from the earliest claimed priority date (37 CFR 1.492(f)).                                                                                                                           |              | \$                                                                            |                                     |    |
| <b>TOTAL NATIONAL FEE =</b>                                                                                                                                                                                                                                                 |              | <b>\$ 450.00</b>                                                              |                                     |    |
| Fee for recording the enclosed assignment (37 CFR 1.21(h)). The assignment must be accompanied by an appropriate cover sheet (37 CFR 3.28, 3.31). \$40.00 per property                                                                                                      |              | \$ 40.00                                                                      |                                     |    |
| <b>TOTAL FEES ENCLOSED =</b>                                                                                                                                                                                                                                                |              | <b>\$ 490.00</b>                                                              |                                     |    |
|                                                                                                                                                                                                                                                                             |              | Amount to be refunded:                                                        | \$                                  |    |

|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |                                                    |                                     |
|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------|-------------------------------------|
| U.S. APPLICATION NO. (If known)<br>Not yet assigned<br><b>109557822</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            | INTERNATIONAL APPLICATION NO.<br>PCT/FI2004/000308 | ATTORNEY'S DOCKET NUMBER<br>TUR-173 |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |                                                    | charged: \$                         |
| <p>a. <input type="checkbox"/> A check in the amount of \$ _____ to cover the above fees is enclosed.</p> <p>b. <input type="checkbox"/> Please charge my Deposit Account No. _____ in the amount of \$ _____ to cover the above fees. A duplicate copy of this sheet is enclosed.</p> <p>c. <input checked="" type="checkbox"/> The Commissioner is hereby authorized to charge any additional fees which may be required, or credit any overpayment to Deposit Account No. <u>50-1258</u>. A duplicate copy of this sheet is enclosed.</p> <p>d. <input checked="" type="checkbox"/> Fees are to be charged to a credit card. <b>WARNING:</b> Information on this form may become public. <b>Credit card information should not be included on this form.</b> Provide credit card information and authorization on PTO-2038.</p> |                                                    |                                     |
| <p><b>NOTE:</b> Where an appropriate time limit under 37 CFR 1.495 has not been met, a petition to revive (37 CFR 1.137 (a) or (b)) must be filed and granted to restore the application to pending status.</p>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |                                                    |                                     |
| <p>SEND ALL CORRESPONDENCE TO:<br/>Customer No. 32954</p>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |                                                    |                                     |
| <p><br/>_____<br/>SIGNATURE</p>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |                                                    |                                     |
| <p><u>James C. Lydon</u><br/>_____<br/>NAME</p>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |                                                    |                                     |
| <p><u>30,082</u><br/>_____<br/>REGISTRATION NUMBER</p>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |                                                    |                                     |